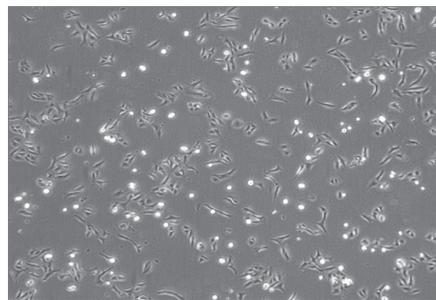


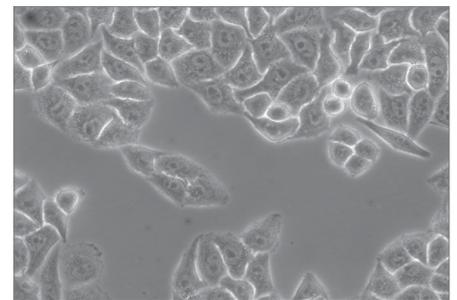


# ZEISS Primo Vert

## Your Compact Cell Culture Microscope



U2OS cells: Magnification 4x Ph0



HeLa-cells: Magnification 20x Ph2

Primo Vert is designed for your cell culture needs – a compact microscope that combines efficiency and optical performance. The compact design allows the use of Primo Vert right inside your cell culture hood.

Primo Vert is configured for fast and efficient examinations of living cells; it is especially suitable for cancer and HIV research as well as for human, animal and plant genetics. Primo Vert can also be used by students in advanced course room settings.

Your Primo Vert is ergonomically designed and saves energy due to its automatic light switch functionality. Besides comfortable viewing, the functional design is award winning and exceptional.

### Highlights

- Universal phase slider for all magnifications with PH1
- Increased working distance for roller bottles
- Comfortable light switch button on the stage
- The Siedentopf tube offers an ergonomic viewing angle of 30 degrees. Additionally, an adjustable angle tube is available.
- High-quality ZEISS optics combined with outstanding cost-efficiency
- Power saver - automatic light switch off after 15 minutes
- Award winning design – ‘red dot’ design award



reddot design award

### Focused on Essentials

With ease of use and reliable results, Primo Vert presents a number of attractive details to guarantee quick, easy and reliable handling. This makes Primo Vert the perfect tissue culture phase contrast microscope.

### A New Viewing Perspective

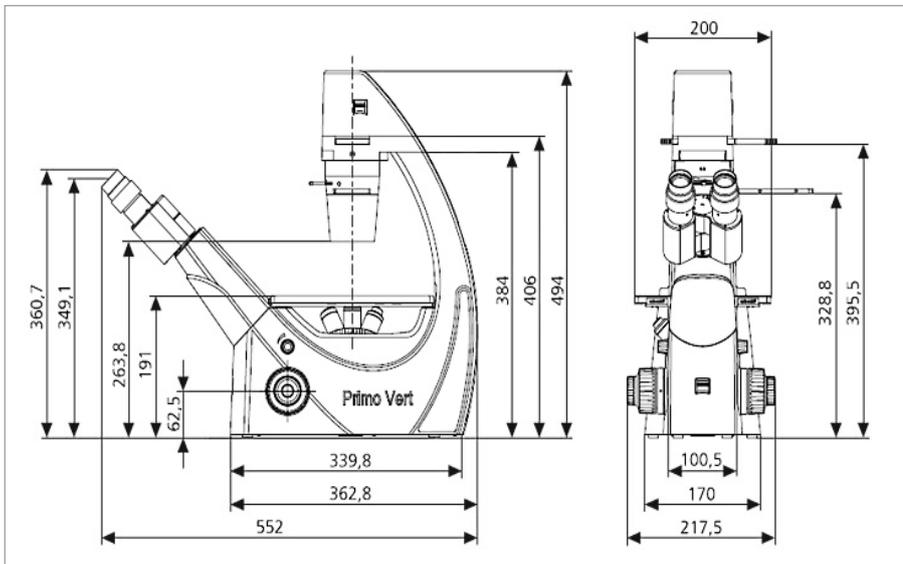
The optional Primo Vert Monitor is an ideal solution for multi-observation purposes. Several users can view and discuss the image at the same time without having to adjust any eyepieces individually.



Primo Vert

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#### Special Features:

- All optical components in Primo Vert are anti-fungus treated.
- Carrying handle integrated in stand.

#### Main Applications for Primo Vert:

- Sterility checks
- Cell checks - protein, DNA or RNA preparation and screenings after donations (pharmacology)
- Differentiation of cell types
- Characterization of cell lines (oncology)
- Growing of cells to produce artificial tissues or organs

#### Optional Accessories:

- Primo Vert Monitor
- Object guide
- Mounting frames for Petri dishes, etc.
- Stage inserts (metal or glass) and stage enlargements
- Cameras and camera adapters
- Eyepiece micrometer and eyepiece pointer
- Neutral density and green interference filters

#### Norms and Standards Met:

CE, UL, CSA, IvD, DIN EN 61010-1 (IEC 61010-1), ISO 9001

#### Technical Data

Objectives	Infinity-corrected objective range with W 0.8 mounting thread Plan-Achromat: 4 x / 0.1, 4 x / 0.1 Ph0, 10 x / 0.25 Ph1 LD Plan-Achromat: 20 x / 0.3 Ph1, 40 x / 0.5 Ph1, 20 x / 0.3 Ph2, 40 x / 0.5 Ph 2 Manual change via quadruple objective nosepiece
Phase-Slider	Universal phase slider for the objectives Ph1: Convenient and economical Phase slider for Ph2: Higher resolution
Eyepieces	WF-PL 10x/20 Br. foc.
Stage	Fixed, Dimensions 200(w) x 239(d) mm, Right side specimen guide, Coaxial drive
Verniers with numerical and alphabetic scale	X direction: Numerical scale, readable from right to left Y direction: Alphabetic scale, readable in the mirror right side
Condensers	LD condenser 0.3 for magnifications 4 x to 40 x, WD = 72 mm, LD condenser 0.4 for magnifications 4 x to 40 x, WD = 55 mm
Binocular tube 45°/20	Viewing angle 45°, FOV 20, Interpupillary distance adjustable from 48 to 75 mm Viewing height 360 to 397 mm
Trinocular (photo)tube 45°/20	Viewing angle 45°, FOV 20, Photo/video port tube factor 1x, 60 mm, Fixed beam splitting 50 % vis / 50 % doc
Light source	HAL: 6 V, 30 W, LED: White light, 3 W



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